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TRANSMITTAL FORM

I hereby certify that this correspondence is being deposited with the United States Postal Service as "Express Mail" under Label No. EL886594699 US in an envelope addressed to: Box Patent Application, Assistant Commissioner for Patents Washington, D.C. 20231 on:

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Box Patent Application
Assistant Commissioner
For Patents
Washington, D.C. 20231

Attorney Doc. #: 67,200-412
Mailing Date: 12/31/01

Dear Sir:

Transmitted herewith for filing is the patent application of:

Inventor(s): CHUAN-YU WU, CHRIS HUANG AND JI-MING YANG

For: APPARATUS AND METHOD FOR DYNAMIC MEMORY REFRESHING

Submitted herewith are:

- ☒ 5 sheets of formal drawings showing Figs 1- 5
- ☒ An Assignment of the invention to Taiwan Semiconductor Manufacturing Co., Ltd., together with Assignment Recordal Sheet
- ☒ A Declaration for patent application under CFR 1.63 and 1.68

The filing fee has been calculated as shown below:

	No. Filed	No. Extra	Small Entity Fee	Large Entity Fee	Total
Basic Fee			\$370.00	\$740.00	\$740.00
Total Claims	29 x20	9x	\$9.00	\$18.00	\$162.00
Indep. Claims	-3	x	\$42.00	\$84.00	\$0
Multiple Dep. Clms.			\$140.00	\$280.00	\$0
Assign. Rec. Fee			\$40.00	\$40.00	\$40.00
TOTAL					\$942.00

JC879 U.S. PTO
12/31/01

J1011 U.S. PTO
10/036838
12/31/01

10036838-123101

Mailing Date: 12/31/01
Attorney Docket No.: 67,200-412

X Attached is a Credit Card Payment Form for the sum of \$ 942.00

X Charge Visa Credit Card No. 4756 8461 9568 0263 the sum of \$ 942.00
A duplicate copy of this transmittal is attached.

X The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Visa Credit Card No. 4756 8461 9568 0263.
A duplicate copy of this sheet is enclosed.

<u>X</u>	Any additional filing fees required under 37 CFR 1.6
<u>X</u>	Any patent application processing fees under 37 CFR 1.17

Respectfully submitted,

~~TUNG & ASSOCIATES~~

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RWT/kd
Enclosures